

Rev03
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DATASHEET

HIV-1 TAT Protein Peptide

Cat. No.: RP10129

Overview

Synonyms	HIV-1 TAT Protein Peptide; HIV1 TAT Protein PeptideHIV-1 TAT; HIV1 TAT
Description	HIV-1 TAT Protein Peptide is known to be a protein and particle transduction domain (PTD) and at the same time to comprise a nuclear localization function (NLS). Oligomers of the TAT (47-57) peptide compact plasmid DNA to nanometric particles and stabilize DNA towards nuclease degradation. At optimized vector compositions, these peptides mediate gene delivery to cells in culture six to eight times more efficiently than poly-L-arginine or the mutant TAT2-M1.
Sequence	{TYR}{GLY}{ARG}{LYS}{LYS}{ARG}{ARG}{GLN}{ARG}{ARG}{ARG}
Sequence Shortening	YGRKKRRQRRR
Molecular Formula	C ₆₄ H ₁₁₈ N ₃₂ O ₁₄
Molecular Weight	1559.9

Properties

Purity	> 95%
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed. Store in a cool dry place.